CP/TF/01

TEST REPORT ON BITUMEN

Lab ID	:	**CP-2017-10-25-03**	**Date: 26-10-17**
Customer	:	Assistant Executive Engineer, Yelahanka Sub division, BBMP,	
Address	:	Yelahanka Sub division, BBMP, Bangalore.	
Project Name	:	Improvements and Asphalting to roads at Bhadranna layout and surrounding areas in Ward no.01 of Yelahanka Sub division.	
Agency	:	Sri. B. R. Dananjaya, No.22, Gundappa road, 3rd cross, floor mill road, Nagashettyhalli, Bangalore.	
Customer's Reference	:	EE(YNK.D)E-PMT-02/WO/110/2017-18	
Source of Sample	:	Sample supplied by Agency	
Sample Condition	:	Satisfactory	
Date of Receipt	:	25-10-17	
Sample ID No	:	2017-10-25-03-01	
Sample Type	:	Bitumen	
Reference to BIS codes	:	IS: 1201-1220(1978) (Reaffirmed-2004)	
Date of test	:	25-10-17	

Test Results

Sl.no	Name of Test	Result	Requirements as per IS:73-2013
1	Penetration at 25°C , in 1/10th mm	**69**	60 to 70
2	Softening Point, °C	**56**	Min. 40°C
3	Ductility, cm	**95**	Min. 75cm
4	Flash point, °C	**241**	Min. 220°C
	Fire point, °C	**263**	

Note:
The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

FOR CIVIL Pro.

CIVIL PRO Sig..... Date..... BANGALORE

R RUDRAPRASAD
Authorized Signatory
Technical Manager

****End of Report****

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

TEST RESULTS OF GRADATION FOR WMM

Lab ID	:	**CP-RW-2017-10-19-01** **Date: 21-10-17**
Customer	:	Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.
Address	:	Yelahanka Sub division, BBMP, Bangalore.
Project Name	:	Improvements and Asphalting to roads at Bhadranna layout and surrounding areas in Ward no.01 of Yelahanka Sub division.
Agency	:	Sri. B. R. Dananjaya, No.22, Gundappa road, 3rd cross, floor mill road, Nagashettyhalli, Bangalore.
Customer Reference	:	EE(YNK.D)E-PMT-02/WO/110/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	19-10-17
Sample ID No	:	2017-10-19-01-01
Type of Mix	:	WMM (Wet Mix Macadam)
Date of test	:	19-10-17
Oven Dry Weight	:	11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	315	315	2.9	97.1	95-100
22.4	2259	2574	23.4	76.6	60-80
11.2	2179	4753	43.2	56.8	40-60
4.75	2251	7004	63.7	36.3	25-40
2.36	1621	8625	78.4	21.6	15-30
0.6	623	9248	84.1	15.9	8-22
0.075	1338	10586	96.2	3.8	0-5

Note:-

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
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Samples will be disposed after 30 days from the date of issue of test certificate

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Authorized Signatory
Technical Manager

CIVIL PRO Sig..... Date..... BANGALORE

End of Report

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TEST RESULTS OF GRADATION FOR DBM
(IS 2386:(Part 1) 1963 (RA2011)

Lab ID	:	**CP-RW-2017-11-30-02** **Date: 04-12-17**
Customer	:	Assistant Executive Engineer, Yelahanka Sub division, BBMP, Bangalore.
Address	:	Yelahanka Sub division, BBMP, Bangalore.
Project Name	:	Improvements and Asphalting to roads at Bhadranna layout and surrounding areas in Ward no.01 of Yelahanka Sub division.
Agency	:	Sri. B. R. Dananjaya, No.22, Gundappa road, 3rd cross, floor mill road, Nagashettyhalli, Bangalore.
Customer Reference	:	EE(YNK.D)E-PMT-02/WO/110/2017-18
Source of Sample	:	Sample supplied by Agency
Date of Receipt	:	30-11-17
Sample ID No	:	2017-11-30-02/01
Type of Mix	:	DBM (Dense Bituminous Macadam)
Date of test	:	30-11-17

Sl.no	Description	Index	Trail 1	Trail 2
1	Weight of the Sample	A	500	500
2	Weight of the sample After extraction	B	480	479
3	Bitumen percentage	$\frac{A-B}{A} \times 100$	4.0	4.2
4	Average percentage	%	4.1	

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R RUDRAPRASAD
Authorized Signatory
Technical Manager